CRF Errors Edited by the STIC Systems Branch

Serial Number: __10/733,184__   CRF Edit Date: __8/24/04__
                                    Edited by: __AL__

ENTERED
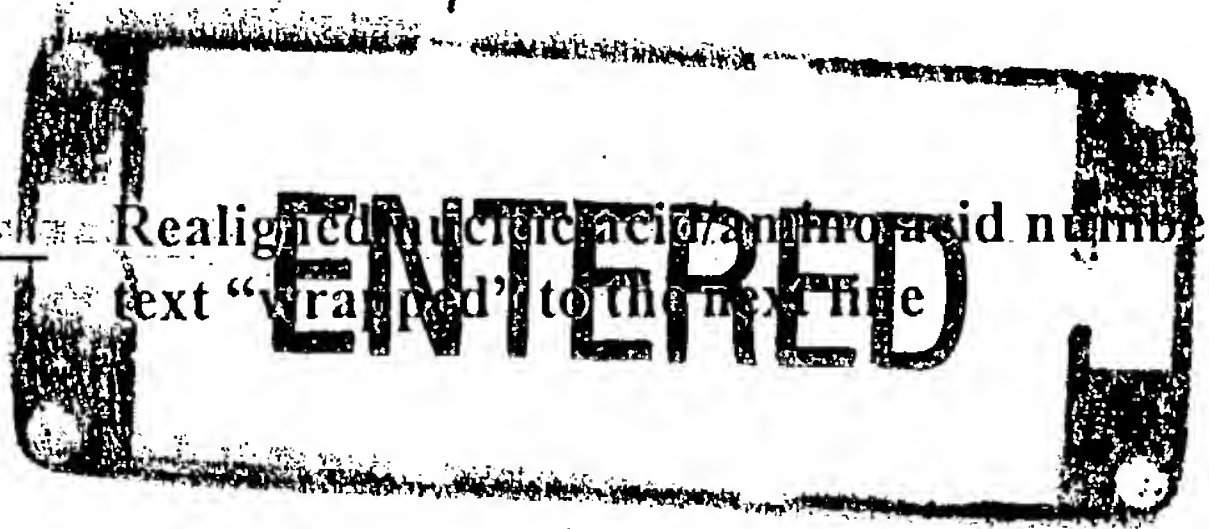
____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__/__ Deleted: __/__ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 08/24/2004
PATENT APPLICATION: US/10/733,184   TIME: 12:06:57

Input Set : N:\AMC\30062-20005.09 - Seq List (from .00).txt
Output Set: N:\CRF4\08242004\J733184.raw

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 4 <110> APPLICANT: Khosla, Chaitan
 5        Kao, Camilla
 7 <120> TITLE OF INVENTION: METHOD TO PREPARE MACROLIDE ANALOGS
 9 <130> FILE REFERENCE: 300062-20005.09
11 <140> CURRENT APPLICATION NUMBER: US 10/733,184
12 <141> CURRENT FILING DATE: 2003-12-10
14 <150> PRIOR APPLICATION NUMBER: US 09/740,313
15 <151> PRIOR FILING DATE: 2000-12-18
17 <150> PRIOR APPLICATION NUMBER: US 08/846,247
18 <151> PRIOR FILING DATE: 1997-04-30
20 <160> NUMBER OF SEQ ID NOS: 24
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 27
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Primer rapAT2 (forward)
32 <400> SEQUENCE: 1
33 tttagatctg tgttcgtctt cccgggt                              27
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 36
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Primer rapAT2 (reverse)
43 <400> SEQUENCE: 2
44 tttctgcagc cagtaccgct ggtgctggaa ggcgta                    36
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 36
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Primer rapKR2 (forward)
54 <400> SEQUENCE: 3
55 tttctgcagg agggcacgga ccgggcgact gcgggt                    36
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 36
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Primer rapKR2 (reverse)
65 <400> SEQUENCE: 4
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RAW SEQUENCE LISTING   DATE: 08/24/2004
PATENT APPLICATION: US/10/733,184   TIME: 12:06:57

Input Set : N:\AMC\30062-20005.09 - Seq List (from .00).txt
Output Set: N:\CRF4\08242004\J733184.raw

66 ttttctagaa ccggcggcag cggcccgccg agcaat   36
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 26
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Primer rapDH/KR4 (forward)
76 <400> SEQUENCE: 5
77 ttctgcagag cgtggaccgg cggct   26
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 30
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Primer rapDH/KR4 (reverse)
87 <400> SEQUENCE: 6
88 ttttctagag tcaccggtag aggcggccct   30
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 30
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Primer rapDH/ER/KR1 (left half) (forward)
98 <400> SEQUENCE: 7
99 tttctgcagg gcgtggaccg ggcggctgcc   30
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 30
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Primer rapDH/ER/KR1 (left half) (reverse)
109 <400> SEQUENCE: 8
110 tttctcgagc accacgcccg cagcctcacc   30
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 30
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Primer rapDH/ER/KR1 (right half) (forward)
120 <400> SEQUENCE: 9
121 tttctcgagg tcggtccgga ggtccaggat   30
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 30
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer rapDH/ER/KR1 (right half) (reverse)
131 <400> SEQUENCE: 10
132 ttttctagaa tcaccggtag aagcagcccg   30

RAW SEQUENCE LISTING   DATE: 08/24/2004
PATENT APPLICATION: US/10/733,184   TIME: 12:06:57

Input Set : **N:\AMC\30062-20005.09 - Seq List (from .00).txt**
Output Set: **N:\CRF4\08242004\J733184.raw**

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134 <210> SEQ ID NO: 11
135 <211> LENGTH: 24
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Junction sequence for PstI site
142 <400> SEQUENCE: 11
143 gagccccagc ggtactggct gcag                                    24
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 24
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Junction sequence for XbaI site
153 <400> SEQUENCE: 12
154 tctagagcgg tgcaggcggc cccg                                    24
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 30
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Primer (forward) for left flank
164 <400> SEQUENCE: 13
165 tttggatccg ttttcgtctt cccaggtcag                              30
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 30
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Primer (reverse) for left flank
175 <400> SEQUENCE: 14
176 tttctgcagc cagtaccgct ggggctcgaa                              30
178 <210> SEQ ID NO: 15
179 <211> LENGTH: 30
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Primer (forward) for right flank
186 <400> SEQUENCE: 15
187 ttttctagag cggtgcaggc ggccccggcg                              30
189 <210> SEQ ID NO: 16
190 <211> LENGTH: 29
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Primer (reverse) for right flank
197 <400> SEQUENCE: 16
198 aaaatgcatc tatgaattcc ctccgccca                               29
200 <210> SEQ ID NO: 17
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RAW SEQUENCE LISTING   DATE: 08/24/2004
PATENT APPLICATION: US/10/733,184   TIME: 12:06:57

Input Set : N:\AMC\30062-20005.09 - Seq List (from .00).txt
Output Set: N:\CRF4\08242004\J733184.raw

```
201 <211> LENGTH: 24
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Resulting junction sequence for PstI site
208 <400> SEQUENCE: 17
209 gaacaccagc gcttctggct gcag                                    24
211 <210> SEQ ID NO: 18
212 <211> LENGTH: 24
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Resulting junction sequence for XbaI site
219 <400> SEQUENCE: 18
220 tctagagacc ggctcgccgg tcgg                                    24
222 <210> SEQ ID NO: 19
223 <211> LENGTH: 21
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Resulting engineered DEBS/rapAT2 junction
230 <400> SEQUENCE: 19
231 agtgcctccg acggtggatc t                                       21
233 <210> SEQ ID NO: 20
234 <211> LENGTH: 24
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Resulting engineered DEBS/rapAT2 junction
241 <400> SEQUENCE: 20
242 ctgcagccgg accgcaccac ccct                                    24
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 47
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide linker designed to generate
251       PstI-compatible ends upon hybridization
253 <400> SEQUENCE: 21
254 gccggaccgc accacccctc gtgacggaga accggagacg gagagct           47
256 <210> SEQ ID NO: 22
257 <211> LENGTH: 55
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Oligonucleotide linker designed to generate
263       XbaI-compatible ends upon hybridization
265 <400> SEQUENCE: 22
266 ctagagctct ccgtctccgg ttctccgtca cgaggggtgg tgcggtccgg ctgca   55
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RAW SEQUENCE LISTING   DATE: 08/24/2004
PATENT APPLICATION: **US/10/733,184**   TIME: 12:06:57

Input Set : **N:\AMC\30062-20005.09 - Seq List (from .00).txt**
Output Set: **N:\CRF4\08242004\J733184.raw**

```
268 <210> SEQ ID NO: 23
269 <211> LENGTH: 12
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequence at the fusion
276 <400> SEQUENCE: 23
277 ctcactagtc ag                                                    12
279 <210> SEQ ID NO: 24
280 <211> LENGTH: 9
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequence at the fusion
287 <400> SEQUENCE: 24
288 ggccgcgcc                                                         9
```
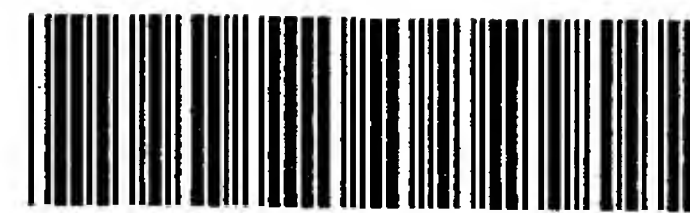
VERIFICATION SUMMARY   DATE: 08/24/2004
PATENT APPLICATION: **US/10/733,184**   TIME: 12:06:58

Input Set : **N:\AMC\30062-20005.09 - Seq List (from .00).txt**
Output Set: **N:\CRF4\08242004\J733184.raw**

RAW SEQUENCE LISTING   DATE: 08/20/2004
PATENT APPLICATION: **US/10/733,184**   TIME: 12:32:00

Input Set : **D:\30062-20005.09 - Seq List (from .00).txt**
Output Set: **N:\CRF4\08202004\J733184.raw**

```
 4 <110> APPLICANT: Khosla, Chaitan
 5         Kao, Camilla
 7 <120> TITLE OF INVENTION: METHOD TO PREPARE MACROLIDE ANALOGS
 9 <130> FILE REFERENCE: 300062-20005.09
11 <140> CURRENT APPLICATION NUMBER: US 10/733,184
12 <141> CURRENT FILING DATE: 2003-12-10
14 <150> PRIOR APPLICATION NUMBER: US 09/740,313
15 <151> PRIOR FILING DATE: 2000-12-18
17 <150> PRIOR APPLICATION NUMBER: US 08/846,247
18 <151> PRIOR FILING DATE: 1997-04-30
20 <160> NUMBER OF SEQ ID NOS: 24
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

```
279 <210> SEQ ID NO: 24
280 <211> LENGTH: 9
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequence at the fusion
287 <400> SEQUENCE: 24
288 ggccgcgcc                                                    9
E--> 295 5
```

VERIFICATION SUMMARY   DATE: 08/20/2004
PATENT APPLICATION: **US/10/733,184**   TIME: 12:32:01

Input Set : **D:\30062-20005.09 - Seq List (from .00).txt**
Output Set: **N:\CRF4\08202004\J733184.raw**

L:295 M:254 E: No. of Bases conflict, this line has no nucleotides.